## IAP15 Rec'd PCT/PTO 01 AUG 2006

PTO-1390 (Rev. 07-2005)
Approved for use through 3/31/2007. OMB 0651-0021
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

"TRANSMITTAL LETTER TO DESIGNATED/ELECTED	ATTORNEY'S DOCKET NUMBER 7605 P 003						
CONCERNING A SUBMISSION	U.S. APPLICATION NO. (If known, see 27 CFR 1.5)						
INTERNATIONAL APPLICATION NO.	INTERNATIONAL FILING DATE	PRIORITY DATE CLAIMED 02 February 2004 (02/02/2004)					
PCT/CN2004/000969 TITLE OF INVENTION							
	ING METHOD, ENCODER, AND Q	UANTUM KEY DISTRIBUTION SYSTEM					
APPLICANT(S) FOR DO/EO/US	and Guangean GUO	<del></del>					
	Zhengfu HAN; Bing ZHU; Xiaofan MO; and, Guangcan GUO Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:						
1.							
2. This is a <b>SECOND</b> or <b>SUBSEQUENT</b> s	submission of items concerning a submission	under 35 U.S.C. 371.					
3. This is an express request to begin nat (5), (6), (9) and (21) indicated below.							
4. The US has been elected (Article 3).							
5. A copy of the International Application	as filed (35 U.S.C. 371 (c)(2))						
a. is attached hereto (required	only if not communicated by the Internation	al Bureau).					
b. 🛛 has been communicated by	the International Bureau.						
c. is not required, as the appli	cation was filed in the United States Receivi	ng Office (RO/US).					
6. An English language translation of the							
a. 🛛 is attached hereto.							
b. has been previously submit	tted under 35 U.S.C. 154(d)(4).						
7. Amendments to the claims of the Intern	national Application under PCT Article 19 (35	5 U.S.C. 371(c)(3))					
a. are attached hereto (require	ed only if not communicated by the Internation	onal Bureau),					
b. have been communicated b	b. have been communicated by the International Bureau.						
c. have not been made; howe	ver, the time limit for making such amendme	ents has NOT expired.					
d. have not been made and w	ill not be made.						
8.	An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).						
9.	9. An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4))						
10. An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).							
Items 11 to 20 below concern documents) or information included:							
11. An Information Disclosure Statement u	nder 37 CFR 1.97 and 1.98.						
12. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.							
3. A preliminary amendment.							
4. An Application Data Sheet under 37 CFR 1.76.							
5. A substitute specification.							
6. A power of attorney and/or change of address letter.							
A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2and 37 CFR 1.821- 1.825.							
second copy of the published International Application under 35 U.S.C. 154(d)(4).							
19. A second copy of the English language	A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).						

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

American LegalNet, Inc. www.USCourtForms.com

## IAP20 Rec'd PCT/PTO 01 AUG 2006

PTO-1390 (Rev. 07-2005)
Approved for use through 3/31/2007. OMB 0651-0021
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

	55. aporto		oo, no persons are required to r	capona to a cone	Cuon or in	ormanon amess it displays a	and Own Control Humber.	
U.S. APPLICATION NO. (if known, see 37 CFR 1.5) INTERNATIONAL APPLICATION NO. PCT/CN2004/000969					ATTORNEY'S DOCKET NUMBER 7605 P 003			
20. Other its	ems or information							
Article 34 amendments (in English); International Search Report; International Preliminary Report on Patentability; PCT/IB/308x; PCT/IB/311; PCT/IB/332								
The follo	wing fees have be	een submitted				CALCULATIONS	PTO USE ONLY	
21. Basic national fee (37 CFR 1.492(a))					\$ 300.00			
22. Examination fee (37 CFR 1.492(c))								
If the written opinion prepared by ISA/Us or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)						\$ 200.00		
23. Search fee (37 CFR 1.492(b))  If the written opinion prepared by ISA/Us or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)\$0  Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority					\$ 400.00			
	TOTAL OF 21,	22 and 23 =				\$ 900.00		
Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) 37 CFR 1.492(j))  The fee is \$250 for each additional 50 sheets of paper or fraction thereof.								
Total Sheets	Extra Sheets	Extra Sheets Number of each additional 50 or fraction thereof (round up to a whole number)						
-100 =	/50 =	:		× \$250		\$		
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).						\$ 130.00	)	
CLAIMS	NUM	BER FILED	NUMBER EXTRA	RATE		\$		
Total claims	6	-20 =	0	x \$50		\$ 0.00		
Independent cla	nims 2	-3 =	0	X \$200		\$ 0.00		
MULTIPLE DEPENDENT CLAIM(S) (if applicable) 0 + \$360					i	\$ 0.00		
			TOTAL OF ABO	VE CALCULA	TIONS =	\$ 1,030.00	)	
Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.				515.00				
SUBTOTAL =					\$ 515.00			
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				\$				
TOTAL NATIONAL FEE =					\$ 515.00			
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +					\$			
TOTAL FEES ENCLOSED =					\$	515.00		
			•			Amount to be refunded:	\$	
				,	• .	Amount to be	\$ .	

## 10/588042

PTO-1390 (Rev. 07-2005)
Approved for use through 3/31/2007. OMB 0651-0021
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. OTHITAG NIA OCTINTO

a. 🛛	A check in the amount of \$ 515.00 to cover the above fees is enclosed.							
b. 🗌	Please charge my Deposit Account No in the amount of \$ to cover the above fees.  A duplicate copy of this sheet is enclosed.							
c. 🛚	The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 23-0280. A duplicate copy of this sheet is enclosed.							
d:	Fees are to be charged to a credit card. <b>WARNING</b> : Information on this form may become public. <b>Credit card information should not be included on this form</b> . Provide credit card information and authorization on PTO-2038.							
NOTE: W and grant	here an appropriate time limi led to restore the Internation	it under 37 CFR 1.495 h al Application to pendi	nas not been me ng status.	t, a petition to revive (37 CF	R:1.137(a) or (b)) must be filed			
SEND ALI	L CORRESPONDENCE TO:			Monigle /	1. Morneault			
WALLEN 311 Sou		D.		Monique A. Morneaul NAME 37,893 REGISTRATION NUM				
248584								
			· .					

## iAP20 Rec'd PCT/PTO 01 AUG 2006

In re U.S. National 371 application of: UNIVERSITY OF SCIENCE AND TECHNOLOGY OF CHINA

Inventor(s): Zhengfu HAN; Bing ZHU; Xiaofan MO; and, Guangcan GUO

For: A POLARIZATION-CONTROLLED ENCODING METHOD, PENCODER, AND QUANTUM KEY DISTRIBUTION SYSTEM

claims priority from PCT/CN2004/000969 filed 19 August 2004 and

Chinese Appln. No. 200410013996.6 filed 2 February 2004

OUR DOCKET NO. 7605 P 003

ENCLOSED:

POSTCARD

CHECK IN THE AMOUNT OF \$515 (small entity)

3-PAGE TRANSMITTAL LETTER TO U.S. DESIGNATED OFFICE CONCERNING A TRANSMISSION UNDER 35 USC 371

14-PAGE PCT APPLICATION AS FILED, WITH 5 SHEETS OF FORMAL DRAWINGS (FIGURES 1-10)

1-PAGE AMENDMENTS UNDER PCT ARTICLE 34 (CLAIMS 1-6).

2-PAGE INTERNATIONAL SEARCH REPORT

INTERNATIONAL PRELIMINARY INTERNATIONAL REPORT ON PATENTABILITY

PCT/IB/308; PCT/IB/311; AND, PCT/IB/332

I HEREBY CERTIFY THAT THIS PAPER AND THE ABOVE DOCUMENTS ARE BEING DEPOSITED WITH THE U.S. POSTAL SERVICE AS EXPRESS MAIL, POSTAGE PREPAID, IN AN ENVELOPE ADDRESSED TO: MAIL STOP PCT, THE COMMISSIONER FOR PATENTS, P.O. Box 1450, Alexandria, VA 22313/1450, ON August 1, 2006 LANDER EXPRESS MAIL NO. EV400548230US.

PLEASE ADDRESS ALL FUTURE COMMUNICATIONS TO:

MONIQUE A. MORNEAULT, ESQ.
WALLENSTEIN & WAGNER, LTD.
311 South Wacker Drive - 5300
Chicago, IL 60606
(312) 554-3300